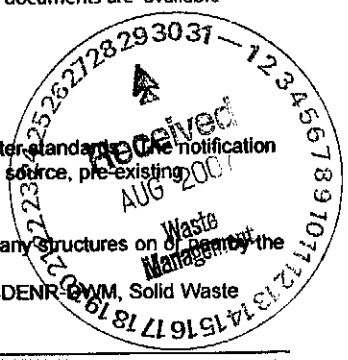
DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).



Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner): Burton Environmental, Inc
1101 South Blvd, Ste 101
Charlotte, NC 28203

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Ross Klingman, P.G. Phone: 704-344-1450

E-mail: burtonenv@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Gaston Co - Closed Auten Landfill	Monterey Park Dr.	36-03 NA	-	6-6-07

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☑ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☑ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☑ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
☑ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
N/A ☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Ross Klingman, P.G. President 704-344-1450

Facility Representative Name (Print) Title (Area Code) Telephone Number

Affix NC Licensed/ Professional Geologist Seal

Signature 8-28-07 Date

Revised 10/2006

FIRST SEMI-ANNUAL 2007
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

TABLE OF CONTENTS

1.0	*Introduction*	*1*
2.0	*Background Information*	*1*
3.0	*Groundwater and Surface Water Monitoring Activities*	*4*
4.0	*Groundwater Flow Direction*	*5*
5.0	*Groundwater and Surface Water Analytical Results*	*6*
6.0	*Conclusions*	*7*
7.0	*Recommendations*	*8*

LIST OF FIGURES

1. Site Location Map
2. Site Layout Map
3. Shallow Groundwater Flow
4. Groundwater Analytical Results

LIST OF TABLES

1. Groundwater Gauging Data
2. Field Parameter Data
3. Groundwater Analytical Results
4. Surface Water Analytical Results

APPENDICES

A. Laboratory Data Sheets
B. Historical Groundwater Analytical Results

FIRST SEMI-ANNUAL 2007
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the first semi-annual 2007 groundwater and surface water monitoring activities conducted at the Gaston County - Closed Auten Landfill located in Gaston County, North Carolina. The purpose for conducting the assessment was to monitor groundwater, surface water and hydrogeologic conditions at the subject site. A site location map and site layout map are provided in Figures 1 and 2, respectively.

The monitoring activities were conducted in general accordance with the North Carolina Department of Environment and Natural Resources, Division of Waste Management-Solid Waste Section (NCSWM) guidelines, and memorandums dated October 27, 2006 and February 23, 2007 concerning changes to laboratory detection limits and reporting requirements. A summary of background information, and the methods, results, conclusions and recommendations of this investigation are outlined below.

2.0 BACKGROUND INFORMATION

Based on review of aerial photographs and discussions with Gaston County personnel, the subject facility operated from approximately 1963 until it closed in 1985.

To comply with NCSWM guidelines, semi-annual groundwater monitoring was initiated in April 1997 at five shallow monitor wells MW-1 through MW-5. Groundwater samples are analyzed for Appendix I volatile organic compounds (VOC's) and RCRA metals. Groundwater samples historically collected at the site indicated several VOC's and metals above the North Carolina Groundwater Protection Standards (NCGPS).

Due to the presence of target constituents above the NCGPS, the NCSWM requested that additional assessment be conducted to determine the extent of affected groundwater and the existence of surrounding water supply wells. According to a March 22, 2001 *Site Assessment Activities for Auten Closed Landfill* report prepared by Resolve Environmental Services, P.A., one deep monitor well MW-5A and one background monitor well MW-6 were installed. Monitor well MW-5A was advanced adjacent to monitor well MW-5 to define the vertical extent of affected groundwater. Monitor well MW-6 was installed as a background well and was placed immediately adjacent to the former on-site landfill scale and maintenance garage along Monterey Park Drive. Groundwater samples collected at MW-5A did not indicate target constituents above the NCGPS. Monitor well MW-6 indicated the presence of 180 micrograms per liter (ug/l) arsenic, 4,600 ug/l barium, 16 ug/l cadmium, 340 ug/l chromium, 240 ug/l lead, and 18 ug/l tetrachloroethene, which were above the NCGPS. Based on historical sampling, the metals appear to be due to turbidity or natural conditions at the site. One water supply well was identified approximately 700 feet upgradient of the former landfill.

In response to the March 2001 report, the NCSWM requested in a November 8, 2001 letter that additional assessment activities be conducted in the area of monitor well MW-6 to determine the source and extent of affected groundwater.

Based on historical assessment activities, monitor well MW-6 is located hydrogeologically upgradient of the known on-site waste boundary and is immediately downgradient of a former off-site "stump dump". The "stump dump" was not owned or operated by Gaston County. Buxton Environmental, Inc. submitted a *Work Plan to Assess Affected Groundwater Detected at Monitor Well MW-6* to the NCSWM on February 8, 2002. The NCSWM approved the plan, with minor revisions outlined in their February 27, 2002 letter.

From May 12 through 14, 2003, a three shallow temporary monitor wells TW-1, TW-2 and TW-3 were installed along the property boundary immediately upgradient of monitor well MW-6 and downgradient of the off-site "stump-dump. The findings of this assessment are presented in a June 24, 2003 *Groundwater Delineation and First Semi-Annual 2003 Groundwater and Surface Water Monitoring Event* report prepared by Buxton Environmental, Inc. Groundwater sample TW-2 indicated the presence of tetrachloroethene, and groundwater sample TW-3 indicated tetrachloroethene and

trichloroethene above the NCGPS. Groundwater sample TW-1 did not indicate the presence of target constituents above the NCGPS. Based on groundwater analytical data and shallow groundwater flow direction, the former off-site "stump dump" area located upgradient and the immediate south of the site appears to be a potential source for VOC affected groundwater historically detected at monitor well MW-6. Several discarded drums and car part debris associated with the "stump dump" were also identified immediately upgradient of temporary monitor wells TW-2 and TW-3 during the May 16, 2004 sampling event,

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On June 6, 2007, Buxton Environmental, Inc. conducted the first semi-annual 2007 groundwater and surface water monitoring event at the subject site. Groundwater monitoring activities were conducted at six shallow monitor wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6, one deep monitor well MW-5A, and three temporary wells TW-1, TW-2 and TW-3. Surface water samples, Upstream and Downstream, were also collected during these activities.

Prior to conducting the sampling activities, groundwater levels were obtained from each well with a depth-to-water electrode to the nearest 0.01 foot. Following the gauging activities, each well was purged of three well bore volumes of water with a disposable Teflon bailer attached to new nylon rope. Purge water was poured on the ground surface at respective well heads. Field parameters including pH, conductivity and temperature were collected following purging at each well and at each surface water sample location. Groundwater gauging and field parameter data are provided in Tables 1 and 2, respectively.

The groundwater and surface water samples were analyzed for Appendix I VOC's by EPA Method 8260B, and 8 RCRA metals by EPA Methods 6010B and 7470A. For quality control purposes, one trip blank and one equipment blank were analyzed for Appendix I VOC's. The trip blank was prepared by the laboratory and the de-ionized water utilized for the equipment blank was supplied by the laboratory. The laboratory analyses were conducted by Shealy Environmental Services, Inc. in Cayce, South Carolina. The water samples were collected in general accordance with accepted protocol, including chain-of-custody documentation.

The lock and stand-up cover lid of monitor well MW-1 had been shot with a gun. Gaston County Public Works is in the process of making the repairs at MW-1. The remaining monitor wells were locked and appeared to be in good condition during the sampling event.

4.0 GROUNDWATER FLOW DIRECTION

Based on groundwater levels obtained on during the first semi-annual 2007 monitoring event, the general shallow groundwater flow on the western side of the site is to the north northwest toward Long Creek and is to the east and northeast toward Long Creek and Burton Branch Creek on the eastern side of the site. Shallow groundwater flows to the north northwest and east from the former off-site "stump dump" area toward the Auten Landfill. A shallow groundwater flow direction map is provided in Figure 3.

A horizontal hydraulic gradient of 0.02 feet per feet (ft/ft) was observed between shallow monitor wells TW-3 and MW-2. An upward vertical gradient of 0.02 ft/ft was observed between nested monitor wells MW-5 and MW-5A. Upward vertical gradients are generally associated with groundwater discharge zones.

5.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the first semi-annual 2007 event are presented in Tables 3 and 4, respectively, and are illustrated in Figure 4. Laboratory data sheets are presented in Appendix A. Historical groundwater analytical results are presented in Appendix B.

Groundwater samples collected at monitor wells MW-1, MW-2, MW-3, MW-4 and MW-5, and temporary wells TW-1, TW-2 and TW-3 indicated the presence of target constituents above the NCGPS, which are summarized below. Groundwater sample MW-1 indicated the presence of 2.6 ug/l 1,4-dichlorobenzene and 160 ug/l lead. Groundwater sample MW-2 indicated the presence of 2.4 ug/l benzene, 16 ug/l 1,4-dichlorobenzene, 0.78J ug/l 1,2-dichloropropane (J=estimated result (<Solid Waste Section Limit (SWSL) or Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)) and 1.4 ug/l vinyl chloride. Groundwater sample MW-3 indicated the presence of 1.4 ug/l benzene, 1.8 ug/l vinyl chloride and 78 ug/l arsenic. Groundwater sample MW-4 indicated the presence of 0.17J ug/l vinyl chloride. Groundwater sample MW-5 indicated the presence of 4 ug/ benzene, 24 ug/l 1,4-dichlorobenzene, 1.2 ug/l 1,2-dichloroethane and 1.2 ug/l vinyl chloride. Groundwater sample TW-1 indicated the presence of 8,200 ug/l barium, 9.8J ug/l cadmium, 240 ug/l chromium and 5,200 ug/l lead. Groundwater sample TW-2 indicated the presence of 6.4 ug/l tetrachloroethene. Groundwater sample TW-3 indicated the presence of 3 ug/l cadmium. The remaining groundwater samples did not indicate target constituents above the NCGPS.

The Upstream and Downstream surface water samples did not indicate target constituents above the NCGPS.

The equipment blank indicated the presence of 1.4J ug/l acetone. The trip blank did not indicate target constituents above method detection limits.

6.0 CONCLUSIONS

On June 6, 2007, Buxton Environmental, Inc. conducted the first semi-annual 2007 groundwater and surface water monitoring activities at the Closed Auten Landfill located in Gaston County, North Carolina. A summary of the findings of this investigation is provided below.

- The general shallow groundwater flow on the western side of the site is to the north northwest toward Long Creek and is to the east and northeast toward Long Creek and Burton Branch Creek on the eastern side of the site. Shallow groundwater flows to the north northwest and east from the former off-site "stump dump" area toward the Auten Landfill.

- Groundwater samples collected at monitor wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6, and temporary wells TW-1, TW-2 and TW-3 indicated the presence of target constituents above the NCGPS.

- The Upstream and Downstream surface water samples did not indicate target constituents above the NCGPS.

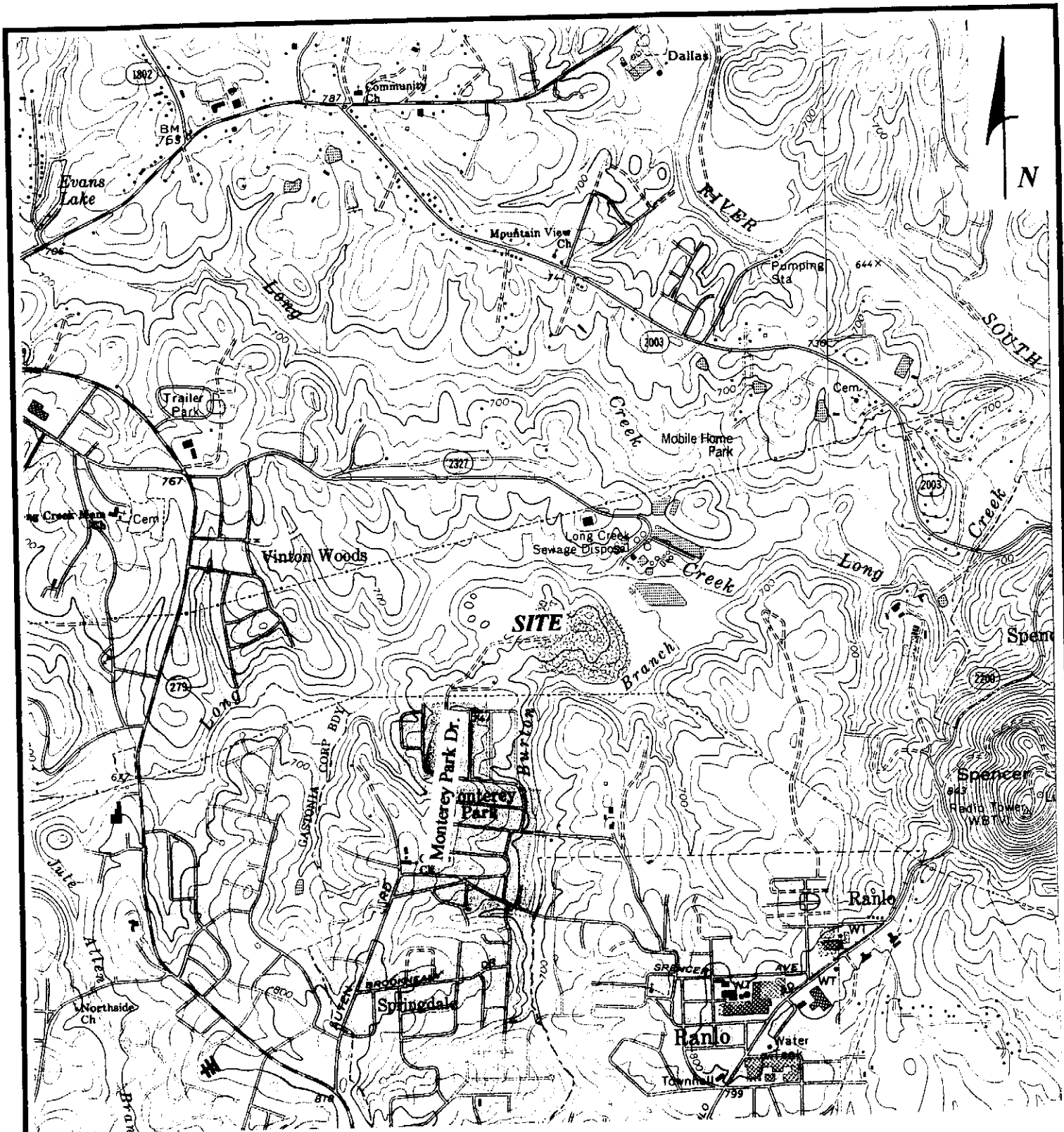
7.0 RECOMMENDATIONS

Based on the findings of this assessment, Buxton Environmental, Inc. makes the following recommendations.

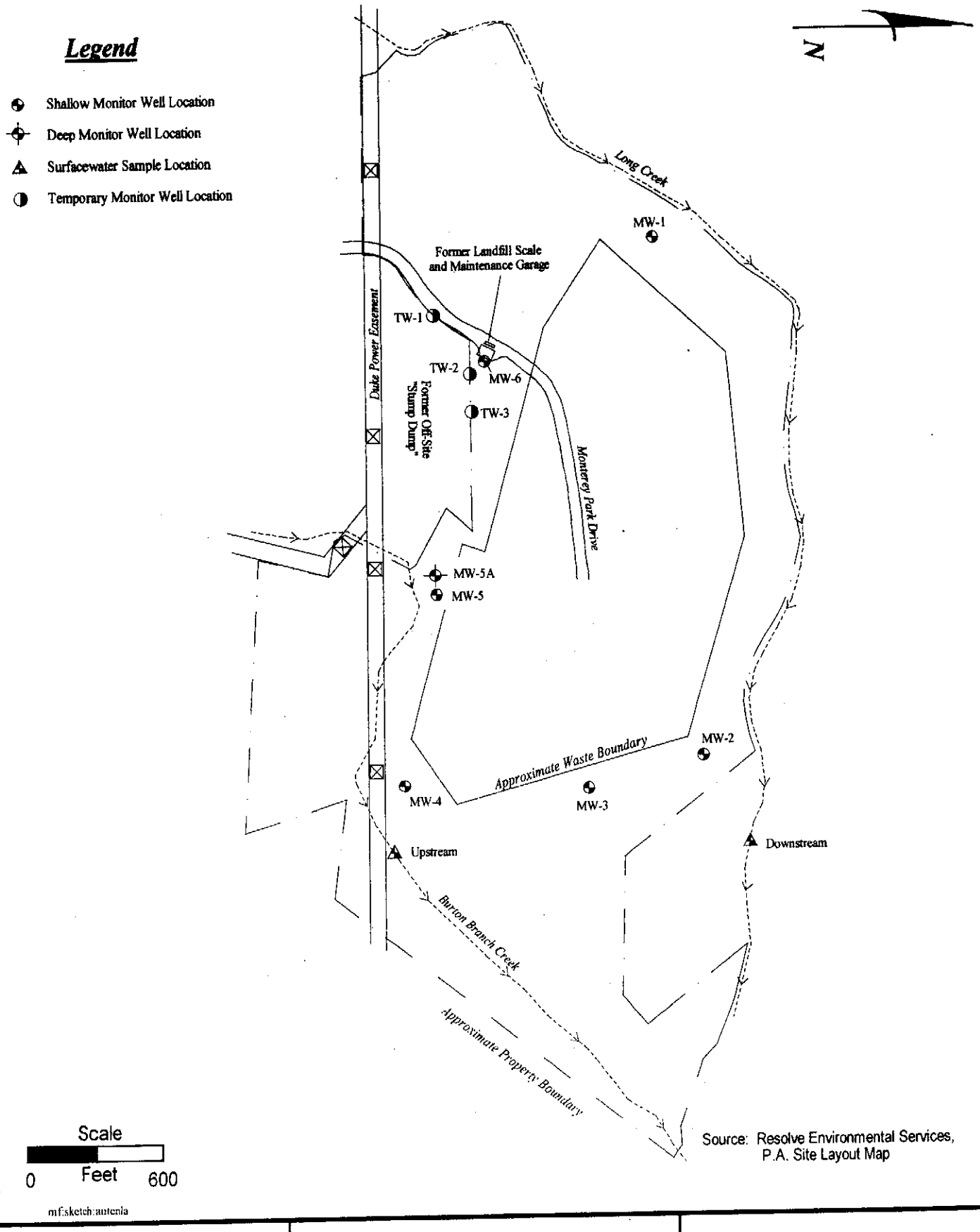
- Semi-annual groundwater monitoring should continue to be conducted at the Closed Auten Landfill. The next sampling event is anticipated to be conducted in November 2007.

- A copy of this report should be forwarded to the NCSWM for their review.

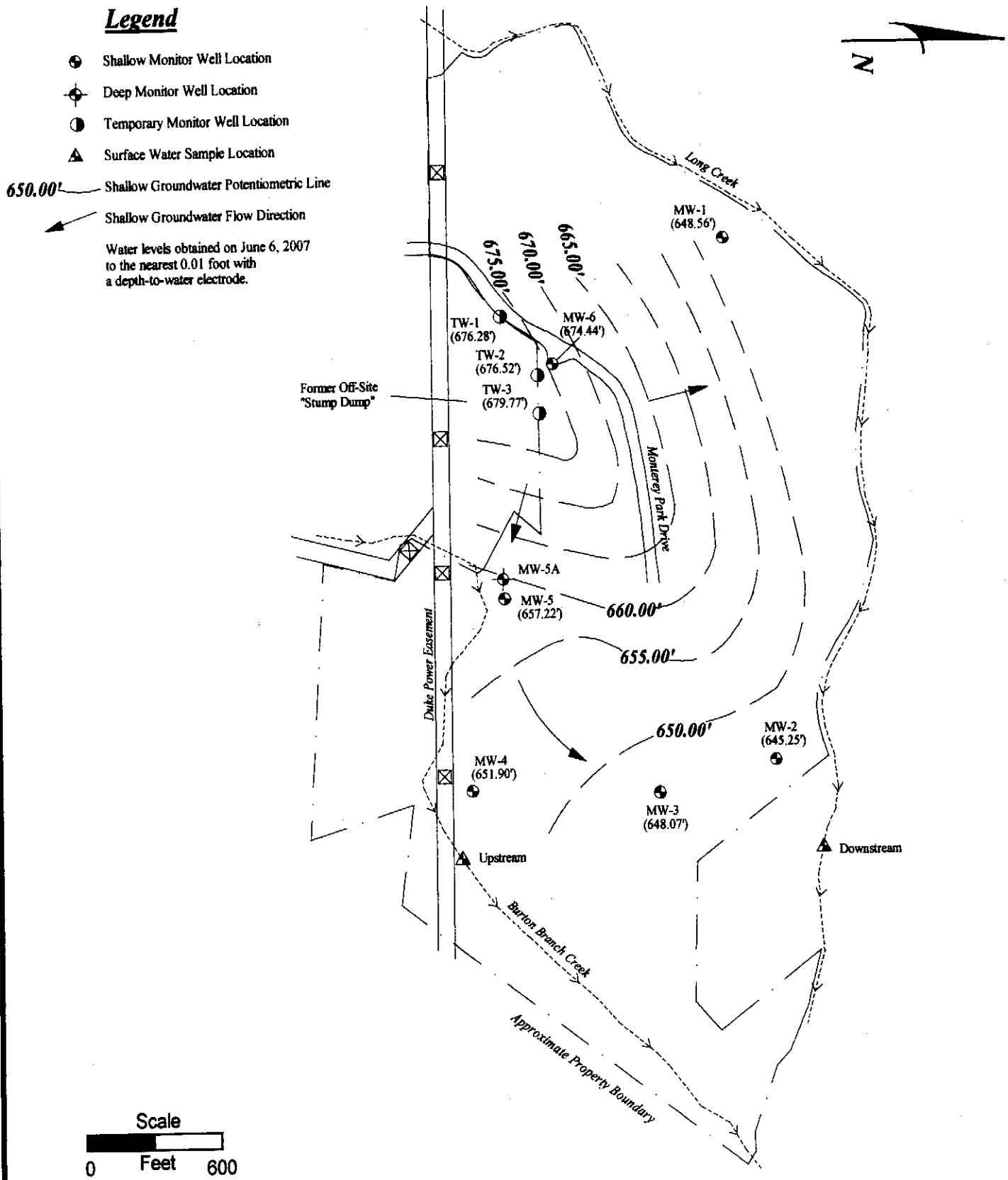
FIGURES



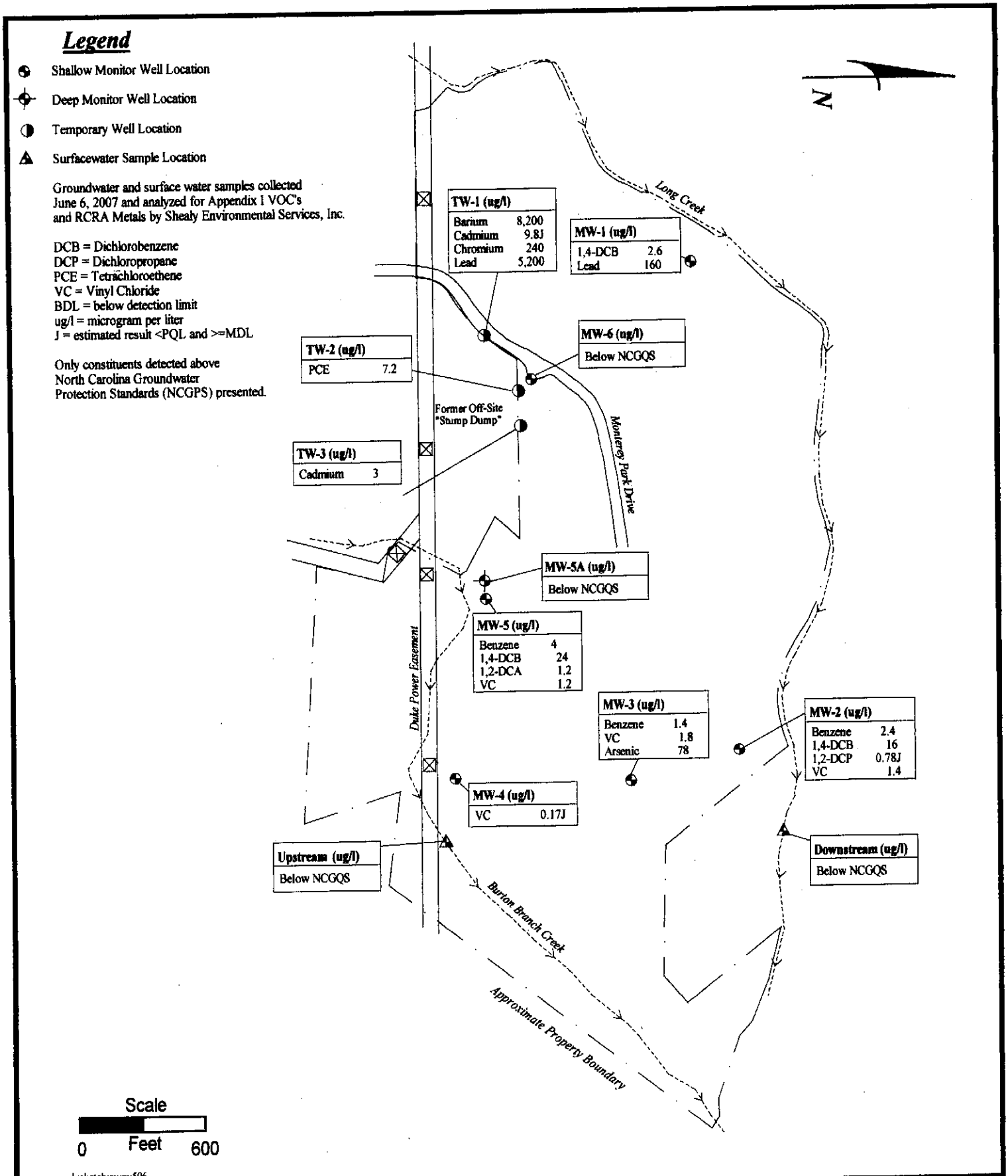
Gaston County Closed Auten Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 1. Site Location Map



Gaston County Closed Auten Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 2. Site Layout Map



Gaston County Closed Auten Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 3. Shallow Groundwater Flow First Semi-Annual 2007



Gaston County Closed Auten Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 4. Groundwater Analytical Results First Semi-Annual 2007

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 6, 2007

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	17.50	657.71	9.15	648.56
MW-2	27.80	660.80	15.55	645.25
MW-3	29.50	668.87	20.80	648.07
MW-4	23.50	662.15	10.25	651.90
MW-5	21.50	667.67	10.45	657.22
MW-5A	54.00	668.32	10.56	657.76
MW-6	46.00	700.54	26.10	674.44
TW-1	37.50	708.75	32.47	676.28
TW-2	39.00	709.58	33.06	676.52
TW-3	45.50	715.82	36.05	679.77

Notes:
Depth to water measurements collected on June 6, 2007
nearest 0.01 foot with a depth to water electrode.
TD=total depth;BTOC=below top of casing;TOC=top of casing;DTW=depth to water;ft=feet
TOC elevations at MW-1, MW-2, MW-3 and MW-4 are relative to mean sea level
and were surveyed by Robinson & Sawyer, Inc. on August 24, 1994.
TOC elevations at MW-5A and MW-6 were determined by Resolve Environmental Services
on May 3, 2001 relative to existing well elevations.
TOC elevations at TW-2 and TW-3 were determined by Buxton Environmental, Inc.
on May 14, 2003 relative to TOC at MW-6.
TOC elevations at MW-5 and TW-1 were determined by Buxton Environmental, Inc.
on December 4, 2003 following repairs to these wells.

TABLE 2
FIELD PARAMETER DATA
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 6, 2007

Sample ID	*Field Parameters*		
	pH (standard units)	*K (uS)*	*T (fahrenheit)*
MW-1	6.9	290	60
MW-2	6.9	310	68
MW-3	7.1	240	65
MW-4	7.4	240	62
MW-5	7.0	230	60
MW-5A	7.7	170	62
MW-6	7.2	80	65
TW-1	7.9	30	70
TW-2	8.1	100	60
TW-3	6.9	110	68
Upstream	8.2	140	72
Downstream	7.6	110	72

Notes:
Field parameters collected on June 6, 2007
T=temperature;K=conductivity
uS = umhos/sec

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 6, 2007

Sample ID	*MW-1*	*MW-2*	*MW-3*	*MW-4*	*MW-5*	*MW-5A*	*MW-6*	*TW-1*	*TW-2*	*TW-3*	*NCGPS*
Appendix I VOC's											
Acetone	BDL	8.5J	2.2J	1.2J	2.8J	1.9J	BDL	BDL	BDL	BDL	700
Benzene	BDL	**2.4**	**1.4**	0.64J	**4**	BDL	BDL	BDL	BDL	BDL	1
Carbon Disulfide	0.34J	0.42J	0.62J	0.2J	0.67J	0.16J	BDL	BDL	BDL	BDL	700
Chlorobenzene	14	5.5	0.96J	0.55J	18	BDL	BDL	BDL	BDL	BDL	50
Chloroethane	BDL	BDL	BDL	BDL	0.71J	BDL	BDL	BDL	BDL	BDL	2,800
1,2-Dichlorobenzene	0.54J	0.84J	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	24
1,4-Dichlorobenzene	**2.6**	**16**	BDL	0.53J	**24**	BDL	BDL	BDL	BDL	BDL	1.4
1,1-Dichloroethane	BDL	0.64J	0.17J	0.18J	0.97J	BDL	BDL	BDL	BDL	BDL	70
1,2-Dichloroethane	BDL	BDL	BDL	BDL	**1.2**	BDL	BDL	BDL	BDL	BDL	0.38
cis-1,2-Dichloroethene	BDL	3.9	4.2	0.21J	2.4	BDL	BDL	BDL	BDL	BDL	70
1,2-Dichloropropane	BDL	**0.78J**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.51
Styrene	BDL	0.23J	BDL	BDL	0.17J	BDL	BDL	BDL	BDL	BDL	100
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19J	**6.4**	BDL	0.7
Toluene	BDL	0.38J	BDL	BDL	0.32J	BDL	BDL	BDL	BDL	BDL	1,000
Trichloroethene	BDL	BDL	BDL	BDL	0.2J	BDL	BDL	BDL	BDL	BDL	2.8
Vinyl Chloride	BDL	**1.4**	**1.8**	**0.17J**	**1.2**	BDL	BDL	BDL	BDL	BDL	0.015
Xylenes	BDL	0.71J	BDL	BDL	0.32J	BDL	BDL	BDL	BDL	BDL	530
RCRA Metals											
Arsenic	4.1J	7.9	**78**	BDL	5.8	BDL	BDL	24J	BDL	4.1J	50
Barium	240	480	260	54	240	160	65	**8,200**	120	240	2,000
Cadmium	BDL	BDL	BDL	1.3J	BDL	BDL	BDL	**9.8J**	BDL	**3**	1.75
Chromium	14	BDL	22	3J	4.3J	BDL	4.1J	**240**	7.1	9.8	50
Lead	**160**	BDL	14	BDL	2.6J	BDL	8.5	**5,200**	3.8	5	15
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.071J	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	25	BDL	BDL	50
Silver	0.74BJ	BDL	BDL	1.5BJ	BDL	0.81BJ	BDL	8.6BJ	BDL	BDL	17.5

Notes:
Groundwater samples collected on June 6, 2007 and analyzed for above parameters by Shealy Environmental Services, Inc. in Cayce, SC.
Shealy Environmental Services, Inc. in Cayce, SC.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

TABLE 4
SURFACE WATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 6, 2007

Sample ID	*Upstream*	*Downstream*	*NCGPS*
Appendix I VOC's	BDL	BDL	NA
RCRA Metals			
Barium	52	28	2,000
Chromium	4J	5.2	50
Silver	0.85BJ	BDL	17.5

Notes:
Surface water samples collected June 6, 2007 and analyzed for above parameters by Shealy Environmental Services, Inc. in Cayce, SC.
BDL = below detection limit
NA = not applicable
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

APPENDIX A
LABORATORY DATA SHEETS

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Buxton Environmental
PO Box 11550
Charlotte, NC 28220
Attention: Ross Klingman

Project Name: **Gaston Co. Landfill- Auten Site**

Lot Number: **IF08001**
Date Completed: **06/18/2007**

Kelly M. Maberry
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Buxton Environmental
Lot Number: IF08001

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

GC/MS VOCs
The LCS/LCSD associated with batch 59034 shows 2-butanone (MEK) outside of the acceptance limits. The five compounds required for spiking, as outlined in SW846 5030B, all passed within the required recovery limits. The compound that was outside of the recovery limits in this batch either failed marginally, or is a demonstrated poor performer. There were no detections for this compound in the samples associated with this batch.

Trans-1,3,-dichloro-2-butene and MEK were recovered above the acceptance limits in the continuing calibration verification. There were no detections for either of these compounds in the samples associated with this batch.

Sample Summary
Buxton Environmental
Lot Number: IF08001

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	06/06/2007 1415	06/07/2007
002	MW-2	Aqueous	06/06/2007 1430	06/07/2007
003	MW-3	Aqueous	06/06/2007 1515	06/07/2007
004	MW-4	Aqueous	06/06/2007 1530	06/07/2007
005	MW-5	Aqueous	06/06/2007 1600	06/07/2007
006	MW-5A	Aqueous	06/06/2007 1620	06/07/2007
007	TW-1	Aqueous	06/06/2007 1245	06/07/2007
008	TW-2	Aqueous	06/06/2007 1300	06/07/2007
009	TW-3	Aqueous	06/06/2007 1320	06/07/2007
010	Upstream	Aqueous	06/06/2007 1700	06/07/2007
011	Downstream	Aqueous	06/06/2007 1445	06/07/2007
012	Trip Blank	Aqueous	06/06/2007 1430	06/07/2007
013	MW-6	Aqueous	04/17/2007 1400	06/07/2007

(13 samples)

Executive Summary
Buxton Environmental
Lot Number: IF08001

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Carbon disulfide	8260B	0.34	J	ug/L	7
001	MW-1	Aqueous	Chlorobenzene	8260B	14		ug/L	7
001	MW-1	Aqueous	1,2-Dichlorobenzene	8260B	0.54	J	ug/L	7
001	MW-1	Aqueous	1,4-Dichlorobenzene	8260B	2.6		ug/L	7
001	MW-1	Aqueous	Arsenic	6010B	0.0041	J	mg/L	8
001	MW-1	Aqueous	Barium	6010B	0.24		mg/L	8
001	MW-1	Aqueous	Chromium	6010B	0.014		mg/L	8
001	MW-1	Aqueous	Lead	6010B	0.16		mg/L	8
001	MW-1	Aqueous	Silver	6010B	0.00074	BJ	mg/L	8
002	MW-2	Aqueous	Acetone	8260B	8.5	J	ug/L	9
002	MW-2	Aqueous	Benzene	8260B	2.4		ug/L	9
002	MW-2	Aqueous	Carbon disulfide	8260B	0.42	J	ug/L	9
002	MW-2	Aqueous	Chlorobenzene	8260B	5.5		ug/L	9
002	MW-2	Aqueous	1,2-Dichlorobenzene	8260B	0.84	J	ug/L	9
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	16		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethane	8260B	0.64	J	ug/L	9
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	3.9		ug/L	9
002	MW-2	Aqueous	1,2-Dichloropropane	8260B	0.78	J	ug/L	9
002	MW-2	Aqueous	Styrene	8260B	0.23	J	ug/L	9
002	MW-2	Aqueous	Toluene	8260B	0.38	J	ug/L	9
002	MW-2	Aqueous	Vinyl chloride	8260B	1.4		ug/L	10
002	MW-2	Aqueous	Xylenes (total)	8260B	0.71	J	ug/L	10
002	MW-2	Aqueous	Arsenic	6010B	0.0079		mg/L	10
002	MW-2	Aqueous	Barium	6010B	0.48		mg/L	10
003	MW-3	Aqueous	Acetone	8260B	2.2	J	ug/L	11
003	MW-3	Aqueous	Benzene	8260B	1.4		ug/L	11
003	MW-3	Aqueous	Carbon disulfide	8260B	0.62	J	ug/L	11
003	MW-3	Aqueous	Chlorobenzene	8260B	0.96	J	ug/L	11
003	MW-3	Aqueous	1,1-Dichloroethane	8260B	0.17	J	ug/L	11
003	MW-3	Aqueous	cis-1,2-Dichloroethene	8260B	4.2		ug/L	11
003	MW-3	Aqueous	Vinyl chloride	8260B	1.8		ug/L	12
003	MW-3	Aqueous	Arsenic	6010B	0.078		mg/L	12
003	MW-3	Aqueous	Barium	6010B	0.26		mg/L	12
003	MW-3	Aqueous	Chromium	6010B	0.022		mg/L	12
003	MW-3	Aqueous	Lead	6010B	0.014		mg/L	12
004	MW-4	Aqueous	Acetone	8260B	1.2	J	ug/L	13
004	MW-4	Aqueous	Benzene	8260B	0.64	J	ug/L	13
004	MW-4	Aqueous	Carbon disulfide	8260B	0.20	J	ug/L	13
004	MW-4	Aqueous	Chlorobenzene	8260B	0.55	J	ug/L	13
004	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	0.53	J	ug/L	13
004	MW-4	Aqueous	1,1-Dichloroethane	8260B	0.18	J	ug/L	13
004	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	0.21	J	ug/L	13
004	MW-4	Aqueous	Vinyl chloride	8260B	0.17	J	ug/L	14
004	MW-4	Aqueous	Barium	6010B	0.054		mg/L	14
004	MW-4	Aqueous	Cadmium	6010B	0.0013	J	mg/L	14

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	MW-4	Aqueous	Chromium	6010B	0.0030	J	mg/L	14
004	MW-4	Aqueous	Silver	6010B	0.0015	BJ	mg/L	14
005	MW-5	Aqueous	Acetone	8260B	2.8	J	ug/L	15
005	MW-5	Aqueous	Benzene	8260B	4.0		ug/L	15
005	MW-5	Aqueous	Carbon disulfide	8260B	0.67	J	ug/L	15
005	MW-5	Aqueous	Chlorobenzene	8260B	18		ug/L	15
005	MW-5	Aqueous	Chloroethane	8260B	0.71	J	ug/L	15
005	MW-5	Aqueous	1,2-Dichlorobenzene	8260B	5.0		ug/L	15
005	MW-5	Aqueous	1,4-Dichlorobenzene	8260B	24		ug/L	15
005	MW-5	Aqueous	1,1-Dichloroethane	8260B	0.97	J	ug/L	15
005	MW-5	Aqueous	1,2-Dichloroethane	8260B	1.2		ug/L	15
005	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	2.4		ug/L	15
005	MW-5	Aqueous	Styrene	8260B	0.17	J	ug/L	15
005	MW-5	Aqueous	Toluene	8260B	0.32	J	ug/L	15
005	MW-5	Aqueous	Trichloroethene	8260B	0.20	J	ug/L	15
005	MW-5	Aqueous	Vinyl chloride	8260B	1.2		ug/L	16
005	MW-5	Aqueous	Xylenes (total)	8260B	0.32	J	ug/L	16
005	MW-5	Aqueous	Arsenic	6010B	0.0058		mg/L	16
005	MW-5	Aqueous	Barium	6010B	0.24		mg/L	16
005	MW-5	Aqueous	Chromium	6010B	0.0043	J	mg/L	16
005	MW-5	Aqueous	Lead	6010B	0.0026	J	mg/L	16
006	MW-5A	Aqueous	Acetone	8260B	1.9	J	ug/L	17
006	MW-5A	Aqueous	Carbon disulfide	8260B	0.16	J	ug/L	17
006	MW-5A	Aqueous	Barium	6010B	0.16		mg/L	18
006	MW-5A	Aqueous	Silver	6010B	0.00081	BJ	mg/L	18
007	TW-1	Aqueous	Tetrachloroethene	8260B	0.19	J	ug/L	19
007	TW-1	Aqueous	Arsenic	6010B	0.024	J	mg/L	20
007	TW-1	Aqueous	Barium	6010B	8.2		mg/L	20
007	TW-1	Aqueous	Cadmium	6010B	0.0098	J	mg/L	20
007	TW-1	Aqueous	Chromium	6010B	0.24		mg/L	20
007	TW-1	Aqueous	Lead	6010B	5.2		mg/L	20
007	TW-1	Aqueous	Mercury	7470A	0.000071	J	mg/L	20
007	TW-1	Aqueous	Selenium	6010B	0.025		mg/L	20
007	TW-1	Aqueous	Silver	6010B	0.0086	BJ	mg/L	20
008	TW-2	Aqueous	Tetrachloroethene	8260B	6.4		ug/L	21
008	TW-2	Aqueous	Barium	6010B	0.12		mg/L	22
008	TW-2	Aqueous	Chromium	6010B	0.0071		mg/L	22
008	TW-2	Aqueous	Lead	6010B	0.0038		mg/L	22
009	TW-3	Aqueous	Arsenic	6010B	0.0041	J	mg/L	24
009	TW-3	Aqueous	Barium	6010B	0.24		mg/L	24
009	TW-3	Aqueous	Cadmium	6010B	0.0030		mg/L	24
009	TW-3	Aqueous	Chromium	6010B	0.0098		mg/L	24
009	TW-3	Aqueous	Lead	6010B	0.0050		mg/L	24
010	Upstream	Aqueous	Barium	6010B	0.052		mg/L	26
010	Upstream	Aqueous	Chromium	6010B	0.0040	J	mg/L	26
010	Upstream	Aqueous	Silver	6010B	0.00085	BJ	mg/L	26
011	Downstream	Aqueous	Barium	6010B	0.028		mg/L	28
011	Downstream	Aqueous	Chromium	6010B	0.0052		mg/L	28

Executive Summary (Continued)

Lot Number: IF08001

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
013	MW-6	Aqueous	Barium	6010B	0.065		mg/L	32
013	MW-6	Aqueous	Chromium	6010B	0.0041	J	mg/L	32
013	MW-6	Aqueous	Lead	6010B	0.0085		mg/L	32

(96 detections)

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **06/06/2007 1415**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1409	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	**75-15-0**	**8260B**	**0.34**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**14**		**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**0.54**	**J**	**1.0**	**0.30**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**2.6**		**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **06/06/2007 1415**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1409	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	52-138
Bromofluorobenzene		102	70-147
Toluene-d8		103	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2102	FLW	06/08/2007 1525	58935
1	3005A	6010B	1	06/15/2007 0448	MNM	06/08/2007 1123	58924

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0041**	**J**	**0.0050**	**0.0040**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.24**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.014**		**0.0050**	**0.0021**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.16**		**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	**7440-22-4**	**6010B**	**0.00074**	**BJ**	**0.0050**	**0.00040**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **06/06/2007 1430**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1432	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**8.5**	**J**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**2.4**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	**75-15-0**	**8260B**	**0.42**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**5.5**		**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**0.84**	**J**	**1.0**	**0.30**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**16**		**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.64**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**3.9**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	**78-87-5**	**8260B**	**0.78**	**J**	**1.0**	**0.19**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	**100-42-5**	**8260B**	**0.23**	**J**	**1.0**	**0.12**	**ug/L**	**1**
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.38**	**J**	**1.0**	**0.17**	**ug/L**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **06/06/2007 1430**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1432	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**1.4**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**0.71**	**J**	**1.0**	**0.22**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	52-138
Bromofluorobenzene		102	70-147
Toluene-d8		102	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2104	FLW	06/08/2007 1525	58935
1	3005A	6010B	1	06/15/2007 0506	MNM	06/08/2007 1123	58924
2	3005A	6010B	1	06/15/2007 1010	MNM	06/08/2007 1123	58924

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0079**		**0.0050**	**0.0040**	**mg/L**	**2**
Barium	**7440-39-3**	**6010B**	**0.48**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **06/06/2007 1515**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1454	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.2**	**J**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**1.4**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	**75-15-0**	**8260B**	**0.62**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.96**	**J**	**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.17**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**4.2**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **06/06/2007 1515**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1454	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**1.8**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	52-138
Bromofluorobenzene		103	70-147
Toluene-d8		103	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2106	FLW	06/08/2007 1525	58935
1	3005A	6010B	1	06/15/2007 0512	MNM	06/08/2007 1123	58924

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.078**		**0.0050**	**0.0040**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.26**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.022**		**0.0050**	**0.0021**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.014**		**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **06/06/2007 1530**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1516	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1.2**	**J**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.64**	**J**	**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	**75-15-0**	**8260B**	**0.20**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.55**	**J**	**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**0.53**	**J**	**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.18**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.21**	**J**	**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **06/06/2007 1530**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1516	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**0.17**	**J**	**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	52-138
Bromofluorobenzene		101	70-147
Toluene-d8		100	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2107	FLW	06/08/2007 1525	58935
1	3005A	6010B	1	06/15/2007 0518	MNM	06/08/2007 1123	58924

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.054**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0013**	**J**	**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.0030**	**J**	**0.0050**	**0.0021**	**mg/L**	**1**
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	**7440-22-4**	**6010B**	**0.0015**	**BJ**	**0.0050**	**0.00040**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **06/06/2007 1600**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1539	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.8**	**J**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**4.0**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	**75-15-0**	**8260B**	**0.67**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**18**		**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**0.71**	**J**	**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**5.0**		**1.0**	**0.30**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**24**		**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.97**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	**107-06-2**	**8260B**	**1.2**		**1.0**	**0.15**	**ug/L**	**1**
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2.4**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	**100-42-5**	**8260B**	**0.17**	**J**	**1.0**	**0.12**	**ug/L**	**1**
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.32**	**J**	**1.0**	**0.17**	**ug/L**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**0.20**	**J**	**1.0**	**0.18**	**ug/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **06/06/2007 1600**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1539	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**1.2**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**0.32**	**J**	**1.0**	**0.22**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	52-138
Bromofluorobenzene		102	70-147
Toluene-d8		103	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2113	FLW	06/08/2007 1525	58936
1	3005A	6010B	1	06/15/2007 0524	MNM	06/08/2007 1123	58924

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0058**		**0.0050**	**0.0040**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.24**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.0043**	**J**	**0.0050**	**0.0021**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.0026**	**J**	**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental**
Description: **MW-5A**
Date Sampled: **06/06/2007 1620**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-006**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1601	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1.9**	**J**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	**75-15-0**	**8260B**	**0.16**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-5A**
Date Sampled: **06/06/2007 1620**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-006**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1601	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	52-138
Bromofluorobenzene		101	70-147
Toluene-d8		104	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2117	FLW	06/08/2007 1525	58936
1	3005A	6010B	1	06/15/2007 0530	MNM	06/08/2007 1123	58924

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.16**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	**7440-22-4**	**6010B**	**0.00081**	**BJ**	**0.0050**	**0.00040**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **04/17/2007 1400**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-013**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1814	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **04/17/2007 1400**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-013**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1814	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	52-138
Bromofluorobenzene		89	70-147
Toluene-d8		91	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2128	FLW	06/08/2007 1525	58936
1	3005A	6010B	1	06/13/2007 0702	KJC	06/08/2007 1123	58925
2	3005A	6010B	1	06/15/2007 2259	KJC	06/08/2007 1123	58925

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.065**		**0.025**	**0.0075**	**mg/L**	**2**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.0041**	**J**	**0.0050**	**0.0021**	**mg/L**	**2**
Lead	**7439-92-1**	**6010B**	**0.0085**		**0.0030**	**0.0019**	**mg/L**	**2**
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **TW-1**
Date Sampled: **06/06/2007 1245**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1623	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**0.19**	**J**	**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **TW-1**
Date Sampled: **06/06/2007 1245**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1623	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	52-138
Bromofluorobenzene		104	70-147
Toluene-d8		103	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010B	5	06/15/2007 1004	MNM	06/08/2007 1123	58924
1		7470A	1	06/08/2007 2118	FLW	06/08/2007 1525	58936
2	3005A	6010B	5	06/15/2007 1533	MNM	06/08/2007 1123	58924

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.024**	**J**	**0.025**	**0.020**	**mg/L**	**2**
Barium	**7440-39-3**	**6010B**	**8.2**		**0.12**	**0.038**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0098**	**J**	**0.010**	**0.0030**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.24**		**0.025**	**0.010**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**5.2**		**0.015**	**0.0095**	**mg/L**	**1**
Mercury	**7439-97-6**	**7470A**	**0.000071**	**J**	**0.00010**	**0.000060**	**mg/L**	**1**
Selenium	**7782-49-2**	**6010B**	**0.025**		**0.025**	**0.013**	**mg/L**	**1**
Silver	**7440-22-4**	**6010B**	**0.0086**	**BJ**	**0.025**	**0.0020**	**mg/L**	**2**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental**
Description: **TW-2**
Date Sampled: **06/06/2007 1300**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1628	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**6.4**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **TW-2**
Date Sampled: **06/06/2007 1300**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1628	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	52-138
Bromofluorobenzene		88	70-147
Toluene-d8		92	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2119	FLW	06/08/2007 1525	58936
1	3005A	6010B	1	06/13/2007 0551	KJC	06/08/2007 1123	58925
2	3005A	6010B	1	06/15/2007 2139	KJC	06/08/2007 1123	58925
3	3005A	6010B	1	06/18/2007 1354	KJC	06/08/2007 1123	58925

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.12**		**0.025**	**0.0075**	**mg/L**	**2**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.0071**		**0.0050**	**0.0021**	**mg/L**	**3**
Lead	**7439-92-1**	**6010B**	**0.0038**		**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **TW-3**
Date Sampled: **06/06/2007 1320**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1649	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **TW-3**
Date Sampled: **06/06/2007 1320**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1649	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	52-138
Bromofluorobenzene		93	70-147
Toluene-d8		91	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2124	FLW	06/08/2007 1525	58936
1	3005A	6010B	1	06/13/2007 0559	KJC	06/08/2007 1123	58925
2	3005A	6010B	1	06/15/2007 2148	KJC	06/08/2007 1123	58925

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0041**	**J**	**0.0050**	**0.0040**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.24**		**0.025**	**0.0075**	**mg/L**	**2**
Cadmium	**7440-43-9**	**6010B**	**0.0030**		**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.0098**		**0.0050**	**0.0021**	**mg/L**	**2**
Lead	**7439-92-1**	**6010B**	**0.0050**		**0.0030**	**0.0019**	**mg/L**	**2**
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **06/06/2007 1700**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-010**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1711	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **06/06/2007 1700**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-010**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1711	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	52-138
Bromofluorobenzene		90	70-147
Toluene-d8		92	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2126	FLW	06/08/2007 1525	58936
1	3005A	6010B	1	06/13/2007 0607	KJC	06/08/2007 1123	58925
2	3005A	6010B	1	06/15/2007 2157	KJC	06/08/2007 1123	58925

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.052**		**0.025**	**0.0075**	**mg/L**	**2**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.0040**	**J**	**0.0050**	**0.0021**	**mg/L**	**2**
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	**7440-22-4**	**6010B**	**0.00085**	**BJ**	**0.0050**	**0.00040**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **Downstream**
Date Sampled: **06/06/2007 1445**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-011**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1732	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **Downstream**
Date Sampled: **06/06/2007 1445**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-011**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1732	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	52-138
Bromofluorobenzene		92	70-147
Toluene-d8		92	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2127	FLW	06/08/2007 1525	58936
1	3005A	6010B	1	06/13/2007 0630	KJC	06/08/2007 1123	58925
2	3005A	6010B	1	06/15/2007 2223	KJC	06/08/2007 1123	58925

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.028**		**0.025**	**0.0075**	**mg/L**	**2**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.0052**		**0.0050**	**0.0021**	**mg/L**	**2**
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **Trip Blank**
Date Sampled: **06/06/2007 1430**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-012**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1753	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Client: **Buxton Environmental**
Description: **Trip Blank**
Date Sampled: **06/06/2007 1430**
Date Received: **06/07/2007**

Laboratory ID: **IF08001-012**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/11/2007 1753	DLB		59034

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	52-138
Bromofluorobenzene		90	70-147
Toluene-d8		91	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 75486

Client: Boxton Environmental, Inc	Report to Contact: Ross Kingman	Telephone No. / Fax No. / E-mail: 704-344-1450	Quote No.
Address: 1101 South Blvd Ste 101	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: Charlotte / State: NC / Zip Code: 28203	Printed Name	Analysis (Attach list if more space is needed.)	
Project Name: Gaston Co. Landfill - Auten Site			
Project No.	P.O. No.		Lot No. IF08001

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Appendix I VOCs	TCLP Metals	Remarks / Cooler I.D.
MW-1	6-6-07	14:15	C	—									X	X	
MW-2	"	14:30	C	—									X	X	
MW-3	"	15:15	C	—									X	X	
MW-4	"	15:30	C	—									X	X	
MW-5	"	16:00	C	—									X	X	
MW-5A	"	16:20	C	—									X	X	
TW-1	"	12:45	C	—									X	X	
TW-2	"	13:00	C	—									X	X	
TW-3	"	13:20	C	—									X	X	
UPSTREAM	"	17:00	C	—									X	X	
DOWNSTREAM	"	14:45	C	—									X	X	
TRIP BLANK	4-17-07	14:30	C	—									X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify) 7 Day T.A.T.

QC Requirements (Specify): Analyze per NEW NC Solid Waste Rules (w/ J & B Flags)

	Date	Time		Date	Time
1. Relinquished by	6-7-07	10:45	1. Received by	6-7-07	12:30
2. Relinquished by	6-7-07	15:20	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by	6-7-07	Time 15:20

Comments

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack TB
Receipt Temp. 2.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Sample Receipt Checklist

Client: Buxton Env'l. Cooler Inspected by/date: ECL 4/8/07 Lot #: F080001

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑	NA ☐	1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler temperature upon receipt 2.6 °C _____ °C _____ °C _____ °C _____ °C			
Method: ☑ Temperature Blank ☐ Against Bottles			
Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 13,14,15), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☑	3. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐	NA ☐	4. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	5. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	6. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	7. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	8. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	9. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	10. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	11. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	12. Were all samples received within ½ the holding time or 48 hours, whichever comes first? except TB
Yes ☐	No ☑	NA ☐	13. Were any samples containers missing?
Yes ☑	No ☑	NA ☐	14. Were there any excess samples not listed on COC? MW-6
Yes ☐	No ☑	NA ☐	15. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	16. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	17. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	18. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	19. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☑ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: Rec'd metals bottle only labelled MW-6 but not listed on COC. & 3 vials for VOA

Client: **Buxton Environmental**
Description: **Equipment Blank**
Date Sampled: **05/31/2007 1100**
Date Received: **06/01/2007**

Laboratory ID: **IF01047-025**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/05/2007 1036	DLB		58759

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	1.4	J	20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Client: **Buxton Environmental**
Description: **Equipment Blank**
Date Sampled: **05/31/2007 1100**
Date Received: **06/01/2007**

Laboratory ID: **IF01047-025**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/05/2007 1036	DLB		58759

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	52-138
Bromofluorobenzene		101	70-147
Toluene-d8		93	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

SHEALY ENVIRONMENTAL SERVICES, INC.

Chain of Custody Record

106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 75483

Client: BOXTOW ENVIRONMENTAL, INC	Report to Contact: Ross King MW	Telephone No. / Fax No. / E-mail: 704-344-1450	Quote No.
Address: 1101 South Blvd, Ste 101	Sampler's Signature: X	Waybill No.	Page 3 of 3
City: Charlotte / State: NC / Zip Code: 28203	Printed Name:	Analysis (Attach list if more space is needed.)	
Project Name: Gaston Co Landfills			
Project No.	P.O. No.		Lot No. IF01047

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Appendix I VOCs	Remarks / Cooler I.D.
EQUIPMENT BLANK	5-31-07	11:00	G	4									X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

QC Requirements (Specify): ANALYZE PER NEW NC SOLID WASTE Rule (w/ J+5 Flags)

	Date	Time		Date	Time
1. Relinquished by	5-31-07	11:30	1. Received by	5-31-07	1130
2. Relinquished by	5/31/07	1700	2. Received by FEDEX	5-31-07	1700
3. Relinquished by FEDEX	6-1-07	0905	3. Laboratory received by	6-1-07	0905

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. 2.3 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

APPENDIX B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

MW-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGQS*
Appendix I VOC's																						
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.5	BDL	BDL	0.34J	700
Chlorobenzene	BDL	BDL	13	7.2	16	20	26	18	17	11.5	14.6	5	8	5	5.5	12	2	6.2	13	BDL	14	50
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.54J	24
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	**6**	**8**	BDL	BDL	BDL	**43**	**40**	**34**	**32**	BDL	**16**	**31**	BDL	1.2	**34**	BDL	**16**	1.4
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.1	BDL	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
RCRA Metals																						
Arsenic	BDL	6	BDL	BDL	BDL	BDL	16	30	BDL	BDL	BDL	BDL	14	6.1	8.4	BDL	6.3	6	BDL	BDL	4.1J	50
Barium	510	1,800	490	1,100	BDL	540	840	1,000	BDL	335	384	190	200	230	380	320	140	400	390	120	240	2,000
Cadmium	**2**	**6**	**3**	**5.1**	1	**6**	**16**	**10**	**8**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	1.75
Chromium	32	**54**	27	48	BDL	22	45	**62**	14	BDL	9	BDL	BDL	14	28	11	BDL	15	12	BDL	14	50
Lead	**35**	**43**	**41**	**49**	BDL	**21**	**53**	**36**	BDL	BDL	5	BDL	**130**	**46**	**48**	**38**	11	**87**	**260**	**200**	**160**	15
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.74BJ	17.5
Mercury	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGQS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

rk:table:authistgw.mw1

MW-2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
Appendix I VOC's																						
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	30	BDL	8.5J	700
Benzene	**5**	BDL	BDL	BDL	BDL	**8**	BDL	BDL	BDL	**3.8**	**4**	**3.8**	**3.4**	**2.2**	**4.2**	**3.1**	**3.2**	**3.6**	**4**	**2.8**	**2.4**	1
Carbon Disulfide	29	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	1.5	BDL	BDL	BDL	BDL	BDL	BDL	0.42J	2,800
Chlorobenzene	BDL	BDL	BDL	BDL	5	BDL	5	6	5.4	5	4.8	4.2	3.4	2.3	5.2	5.3	4.4	4.5	5.5	5.2	5.5	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2,800
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	1.2	1	BDL	BDL	1.3	1.1	0.84J	24
1,4-Dichlorobenzene	**20**	**19**	**19**	**16**	**26**	**28**	**24**	**28**	**26**	**23.6**	**21**	**16**	**13**	**17**	**26**	**26**	**24**	**26**	**21**	**15**	**16**	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.64J	70
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.78J**	0.51
cis-1,2-Dichloroethene	9.2	12	BDL	8.5	BDL	11	BDL	6	BDL	BDL	BDL	2	26	5	3.3	8.4	13	6.7	2.1	BDL	3.9	70
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	2.4	BDL	2.5	BDL	BDL	BDL	BDL	550
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.23J	0.51
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38J	1,000
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.7**	**2.9**	**2.2**	**2.4**	BDL	**2.4**	BDL	BDL	**1.4**	0.015
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.5	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	0.71J	530
RCRA Metals																						
Arsenic	7	BDL	BDL	6.5	BDL	BDL	BDL	BDL	BDL	BDL	12	BDL	14	BDL	7.6	5.2	9.8	12	7.8	13	7.9	50
Barium	1,100	1,000	1,600	1,000	590	800	BDL	BDL	BDL	609	686	720	120	720	780	610	600	590	670	910	480	2,000
Cadmium	**14**	**15**	**2**	**3.5**	BDL	**6**	**12**	**3**	1	BDL	**4**	BDL	BDL	BDL	**10**	BDL	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	25	**83**	44	20	BDL	10	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	11	BDL	BDL	BDL	BDL	7.1	BDL	50
Lead	**30**	**54**	**49**	**100**	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	10	BDL	5.8	BDL	7	BDL	15
Mercury	BDL	BDL	BDL	**1.4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	17	BDL	17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

MW-3
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
[illegible]																						
Appendix I VOC's																						
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.2J	700
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**3.9**	**2**	**1.6**	BDL	BDL	**1.2**	**1.4**	BDL	**1.4**	**1.5**	**1.3**	**1.4**	1
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.62J	700
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.96J	50
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**4.2**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17J	70
cis-1,2-Dichloroethene	13	10	BDL	8.1	9	17	9	16	12	24.6	10.2	6.4	2.8	1.8	8.1	5.6	2.9	5.7	6.1	1.7	4.2	70
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**10.8**	**7.4**	BDL	BDL	BDL	**2.2**	BDL	BDL	**2.4**	BDL	BDL	**1.8**	0.015
[illegible]																						
RCRA Metals																						
Arsenic	BDL	5	BDL	BDL	BDL	BDL	16	BDL	BDL	BDL	BDL	BDL	23	43	29	**77**	11	44	31	15	**78**	50
Barium	420	350	380	BDL	BDL	BDL	680	BDL	BDL	213	73	110	81	700	390	740	120	380	390	200	260	2,000
Cadmium	BDL	**2**	BDL	BDL	**2**	**3**	**17**	BDL	BDL	BDL	1	BDL	BDL	BDL	**3.6**	BDL	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	31	25	27	41	BDL	13	**50**	BDL	BDL	BDL	BDL	BDL	BDL	**50**	31	**53**	BDL	29	30	12	22	50
Lead	**20**	**20**	**24**	**23**	BDL	BDL	**44**	BDL	BDL	BDL	BDL	BDL	BDL	**20**	**15**	**43**	BDL	**25**	13	6.5	14	15
Mercury	BDL	BDL	BDL	**3.1**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	19	BDL	9.4	BDL	BDL	BDL	BDL	6.3	BDL	BDL	50

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

rk:table:authistgw.mw3

MW-4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
Appendix I VOC's																						
Acetone	BDL	BDL	450	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2J	700
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.64J	1
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2J	700
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.55J	50
1,4-Dichlorobenzene	BDL	BDL	BDL	9	BDL	6	BDL	BDL	BDL	BDL	BDL	BDL	1.7	BDL	BDL	1.2	BDL	1.3	BDL	BDL	0.53J	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18J	70
1,2-Dichloroethane	5.1	BDL	BDL	24	BDL	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
cis-1,2-Dichloroethene	8.4	6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	0.21J	70
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17J	0.015
RCRA Metals																						
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9	6.5	BDL	BDL	6.7	BDL	BDL	BDL	50
Barium	1,500	490	160	2,400	BDL	BDL	BDL	BDL	BDL	79	65	80	91	200	270	310	120	150	120	220	54	2,000
Cadmium	14	4	BDL	1.7	2	2	1	2	BDL	BDL	1	BDL	BDL	BDL	BDL	1.1	2.4	BDL	BDL	1.2	1.3J	1.75
Chromium	150	44	6	15	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	18	26	27	BDL	9.6	5.8	21	3J	50
Lead	110	32	13	27	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.2	14	16	3.8	BDL	3.8	8.5	BDL	15
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5BJ	17.5
Mercury	BDL	BDL	BDL	2.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

rk:table:authistgw.mw4

MW-5

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

GASTON COUNTY - CLOSED AUTEN LANDFILL

GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
Appendix I VOC's																						
Acetone	BDL	BDL	BDL	BDL	29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.8J	700
Benzene	8.2	BDL	BDL	BDL	1	BDL	2	BDL	4	BDL	BDL	4.4	4.3	BDL	4.2	4.4	4.4	4.6	4.3	4.3	4	1
Carbon Disulfide	5.9	9.4	BDL	BDL	13	BDL	BDL	39	BDL	BDL	4.1	BDL	3.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.67J	700
Chlorobenzene	8.3	6.1	13	BDL	17	BDL	20	6	22	BDL	3.7	6.7	15	2.1	18	13	9	11	12	15	18	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.71J	2,800
1,2-Dichlorobenzene	5.8	BDL	7.6	BDL	7	BDL	BDL	BDL	6.9	BDL	BDL	1.4	4.6	BDL	5.1	4.2	4.7	5.5	3	4.9	5	24
1,4-Dichlorobenzene	31	16	45	BDL	29	6	40	8	40	14	44	14	40	46	41	BDL	34	40	44	40	26	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	1.4	BDL	1.1	BDL	BDL	BDL	0.97J	70
1,2-Dichloroethane	19	15	17	BDL	14	7	7	7	13	BDL	BDL	BDL	BDL	12	13	14	BDL	BDL	11	BDL	1.2	0.38
cis-1,2-Dichloroethene	11	6.7	5.4	BDL	6	BDL	BDL	5	BDL	BDL	BDL	BDL	3.2	1.8	1.9	2.1	1.4	1.9	2.1	1.2	2.4	70
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17J	100
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.32J	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2J	2.8
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.1J	0.015
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.3	BDL	2.3	BDL	BDL	BDL	BDL	BDL	BDL	0.32J	530
RCRA Metals																						
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17	9.8	6.5	BDL	BDL	6.6	BDL	7.3	5.8	50
Barium	240	510	450	620	BDL	620	BDL	BDL	BDL	75	97	120	91	180	520	310	300	280	250	320	240	2,000
Cadmium	BDL	4	2	1	3	6	3	3	BDL	BDL	BDL	BDL	BDL	BDL	4.2	4.6	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	BDL	10	3	35	BDL	14	BDL	BDL	BDL	BDL	BDL	12	BDL	BDL	11	BDL	BDL	5.9	BDL	BDL	4.3J	50
Lead	7	28	22	26	23	24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12	7.4	BDL	10	BDL	BDL	2.6J	15
Mercury	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	36	12	9	15	BDL	14	9.5	BDL	BDL	BDL	5.2	BDL	BDL	50

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

rk:table:authistgw.mw5

MW-5A
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
Appendix I VOC's															
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.9J	700
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.16J	700
Bromoform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.8	BDL	4.43
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.4
RCRA Metals															
Arsenic	BDL	BDL	BDL	BDL	BDL	5.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Barium	BDL	BDL	59	60	100	140	130	140	120	170	110	150	140	160	2,000
Cadmium	**2**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	BDL	1.75
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.81BJ	17.5

Notes:
Groundwater samples collected on above listed dates and analyzed for
Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

rk:table:authistgw.mw5A

MW-6
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
Appendix I VOC's															
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	1.3	BDL	BDL	BDL	BDL	BDL	70
Tetrachloroethene	**18**	**6.9**	**6**	**3.4**	**4.6**	BDL	BDL	**4.8**	**4.1**	**2.8**	**3.8**	**3.6**	**3.4**	BDL	0.7
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	2.8
RCRA Metals															
Arsenic	**180**	BDL	15	**54**	BDL	BDL	21	29	24	BDL	33	22	24	BDL	50
Barium	**4,600**	BDL	504	1,720	48	120	820	1,500	1,700	540	1,700	1,300	1,400	65	2,000
Cadmium	**16**	BDL	BDL	**3**	BDL	BDL	BDL	**6**	BDL	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	**340**	BDL	44	**134**	BDL	BDL	**99**	**120**	**110**	10	**120**	**97**	**120**	4.1J	50
Lead	**240**	BDL	10	**61**	BDL	BDL	**74**	**81**	**62**	11	**60**	**61**	**63**	8.5	15
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	10	BDL	BDL	BDL	BDL	7.1	BDL	BDL	50

Notes:
Groundwater samples collected on above listed dates and analyzed for
Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

rk:table:authistgw.mw6

TW-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
Appendix I VOC's										
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	0.19J	0.7
Toluene	BDL	170	BDL	BDL	BDL	NT	NT	NT	BDL	1,000
RCRA Metals										
Arsenic	BDL	14	BDL	15	BDL	NT	NT	NT	24J	50
Barium	180	940	120	980	400	NT	NT	NT	[illegible]	2,000
Cadmium	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	[illegible]	1.75
Chromium	BDL	46	BDL	28	2.2	NT	NT	NT	[illegible]	50
Lead	3.1	[illegible]	BDL	[illegible]	[illegible]	NT	NT	NT	[illegible]	15
Mercury	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	0.071J	1.05
Silver	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	8.6BJ	17.5
Selenium	BDL	6.9	BDL	BDL	BDL	NT	NT	NT	25	50

Notes:
Groundwater samples collected on above listed dates and analyzed for
Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
NT = not tested (TW-1 was dry and unable to be sampled)
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

rk:table:authistgw.tw1

TW-2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
Appendix I VOC's										
Tetrachloroethene	2	BDL	1.7	3.6	2.7	6.3	6.5	7.1	6.4	0.7
RCRA Metals										
Arsenic	BDL	BDL	BDL	7.4	BDL	14	BDL	19	BDL	50
Barium	210	76	240	1,200	880	1,300	100	2,600	120	2,000
Chromium	7.2	BDL	18	66	BDL	89	BDL	180	7.1	50
Lead	7.2	BDL	5.7	31	9.1	20	BDL	58	3.8	15

Notes:
Groundwater samples collected on above listed dates and analyzed for
Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

rk:table:authistgw.tw2

TW-3

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*NCGPS*
Appendix I VOC's										
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	700
1,1-Dichloroethane	BDL	1	1.6	1.4	1.1	BDL	BDL	BDL	BDL	70
cis-1,2-Dichloroethene	6.8	33	11	6.7	4	BDL	BDL	BDL	BDL	70
Tetrachloroethene	**6**	**16**	**10**	**10**	**7.8**	**4**	**3.2**	**1.8**	BDL	0.7
Trichloroethene	**3.4**	**17**	**6.2**	2.7	1.7	BDL	BDL	BDL	BDL	2.8
RCRA Metals										
Arsenic	BDL	BDL	BDL	BDL	5.3	9	15	11	4.1J	50
Barium	220	490	210	180	510	500	1,200	800	240	2,000
Cadmium	BDL	BDL	BDL	1.4	**11**	1.4	**4.0**	**2.4**	**3**	1.75
Chromium	BDL	11	6.2	5.6	5.3	23	**62**	46	9.8	50
Lead	BDL	BDL	BDL	8.2	4.3	13	**50**	**24**	5	15

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

rk:table:authistgw.tw3